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**In The Abstract:**

A transmission method for identifying infrared transmission head is provided. The infrared transmission head is coupled to ~~the infrared transmission head through~~ an infrared controller. The infrared controller is set to a test circuit mode. The infrared controller is programmed according to the test transmission mode associated with the test brand name of the infrared transmission head and test transmission data is transmitted. In the meantime, the infrared controller receives reception test data from the infrared transmission head according to the test transmission mode associated with the test brand name of the infrared transmission head. If the transmission test data and the reception test data are identical, the test brand name and associated test transmission mode are registered. The infrared transmission head operates according to the registered test brand name and associated test transmission mode of the infrared transmission head.